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DESCRIPTORS: *Steel, *Austenite, Hardening,
Chromium alloys, Nickel alloys, Mechanical
properties, *Metallography, Microstructure, *Cold-
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A method showing that the surface phase α and the α'
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properties is described. The orientation relation of
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DESCRIPTORS: *Iron, *Steel, Oxidation, *Corrosive
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Corrosion, Reaction kinetics, Whiskers (Crystallo-
graphy), Microstructure, X-ray diffraction analysis.

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DESCRIPTORS: *Steel, *Fracture (Mechanics), Hy-
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analysis.

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alloys, Chemical reactions, *Stainless steel,
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